



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Lairson et al.

Title: Magnetic Disk Comprising a First Carbon Overcoat Having a High SP3 Content and a Second Carbon Overcoat Having a Low SP3 Content

Serial No.: 10/728,998

Filed: 12/5/03

Examiner: Unknown

Art Unit: Unknown

Docket No.: K9928-c2

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Pursuant to rule 37 CFR 1.97, Applicants enclose herewith a set of PTO Form 1449s listing references cited in parent application 10/255,295. Applicants request that these references be made of record in the present application.

Respectfully submitted,

Kenneth E. Leeds
Attorney for Applicants
Reg. No. 30,566

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 2/16/04.

2/16/04

Date

Signature

U.S. Department of Commerce, Patent and Trademark Office					Atty Docket No.		Serial No.	
					K9928-C2		10/728,998	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT					Applicants			
(Use several sheets if necessary)					Lairson et al.			
					Filing Date		Group	
					12/5/03		Unknown	

U.S. Patent Documents							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	RE 32,464	7/1987	Aine	428	622	
	AB	5,110,676	5/1992	Murai et al.	428	336	
	AC	5,232,570	8/1993	Haines et al.	204	192	
	AD	5,476,691	12/1993	Komvopoulos et al.	427	527	
	AE	5,507,930	12/1995	Yamashita	204	192	
	AF	5,540,957	7/1996	Ueda et al.	427	535	
	AG	5,587,217	12/1996	Chao et al.	428	65	
	AH	5,637,393	6/1997	Ueda et al.	428	332	
	AI	5,714,044	2/1998	Lal et al.	204	192	
	AJ	5,805,380	9/1998	Ishihara et al.	360	235	
	AK	5,837,357	11/1998	Matsuo et al.	428	212	

Foreign Patent Documents							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL	0 547 820	6/1993	EP				
	AM	62-183022	8/1987	Japan				
	AN	1-320622	12/1989	Japan				
	AO	5-143972	6/1993	Japan				
	AP	8-212533	8/1996	Japan				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
	AQ	Ian G. Brown, "Vacuum Arc Ion Sources", Rev. Sci. Instrum. 65(10), October 1994, pp. 3061-3081
	AR	Anders, et al., "Mechanical Properties of Amorphous Hard Carbon Films Prepared by Cathodic Arc Deposition", Mat. Res. Soc. Symp. Proc. Vol. 383, 1995, pp. 453-458
	AS	Sanders, et al., "Coating Technology Based on the Vacuum Arc—A Review", IEEE Transactions on Plasma Science, Vol. 18, No. 6, December 1990, pp. 883-894

Examiner	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

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U.S. Patent Documents								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA	5,855,746	1/1999	Prabhakara et al.	204	192		
	AB	5,858,182	1/1999	Hornig et al.	204	192		
	AC	6,086,730	7/2000	Liu et al.	204	192		
	AD	6,165,582	12/2000	Hayashi	428	65		
	AE	6,197,120	3/2001	David	118	716		
	AF	6,238,780	5/2001	Wu et al.	428	213		
	AG	6,303,214	10/2001	Chour et al.	428	212		
	AH	5,268,216	12/1993	Keem et al.	428	216		
	AI							
	AJ							
	AK							
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL	9-44844	2/1997	Japan				
	AM	9-288818	11/1997	Japan				
	AN	10-50235	2/1998	Japan				
	AO	10-172130	6/1998	Japan				
	AP	10-229012	8/1998	Japan				
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AQ	J. Robertson, "Ultrathin Carbon Overcoats for Magnetic Storage Technology", TRIB-vol. 9, Proceedings of the Symposium on Interface Technology Towards 100 Gbits/in.sup.2, ASME 1999, pp. 39-45						
	AR	Report Submitted I IDS mailed to USPTO on January 21, 2002						
	AS	Weiler et al., "Deposition of Tetrahedral Hydrogenated Amorphous Carbon Using a Novel Electron Cyclotron Wave Resonance Reactor", Applied Physics Letters, vol. 72, No. 11, Mar. 16, 1998, pp. 1314-6						
Examiner			Date Considered					
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	AH							
	AI							
	AJ							
	AK							
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AL	11-39647	2/1999	Japan				
	AM	WO99/03099	1/1999	WO				
	AN							
	AO							
	AP							
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AQ	Dae-Hwan Kang et al., "Evaluation of the Ion Bombardment Energy for Growing Diamondlike Carbon Films in an Electron Cyclotron Resonance Plasma Enhanced Chemical Vapor Deposition", J. Vac. Sci. Technol. A 16(4) Jul./Aug. 1998, pp. 2625-2631.						
	AR							
	AS							
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